



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: )

Applicant : Bernard BIHAIN, et al. )

Appl. No. : 10/072,159 )

Filed : February 5, 2002 )

Title : LIPOPROTEIN-REGULATING MEDICAMENTS )

Grp./A.U. : 1656

Examiner : Unassigned

Honorable Commissioner of Patents  
Washington, D.C. 20231

## INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits the references listed on the attached forms PTO/SB/08A and 08B (sheets 1 – 10). I, the undersigned, hereby certify that the items of information contained in this statement were cited, and are listed as references in the Applicant's parent application, Serial No. 09/485,316, filed August 6, 1998 (now U.S. Patent No. 6,344,441, issued February 5, 2002). For this reason, copies of the cited references are not enclosed. This statement is being filed before the receipt of a first Office Action on the merits.

The Commissioner is hereby authorized to charge any fees in connection with this document to our Deposit Account No.: 50-1181

Respectfully submitted,

GENSET CORPORATION

Date: 5/31, 2002By: John Lucas

John Lucas, Ph.D., J.D.

Registration No. 43,373

10665 Sorrento Valley Road  
San Diego, CA 92121-1609

Telephone: (858) 597-2600

Facsimile: (858) 597-2601

e-mail: john.lucas@genxy.com

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Sheet 1 of 10

Application Number	10/072,159
Filing Date	February 5, 2002
First Named Inventor	Bernard BIHAIN, et al.
Group Art Unit	1656
Examiner Name	Unassigned
Attorney Docket Number	29.US4.DIV

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FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If Known)				
	B	EP	1033134	A1	Otsuka Pharmaceutical Co. Ltd.	09/06/2000		
	C	WO	96/30400	A1	Tanox Biosystems	10/03/1996		
	D	WO	96/34981	A2	Genset	11/07/1996		
	E	WO	96/39429	A2	Whitehead Institute	12/12/1996		
	F	WO	97/27286	A1	Progenitor, Inc.	07/1997		
	G	WO	98/01257	A2	H. Federhenn	01/15/1998		
	H	WO	98/20165	A2	Whitehead Institute	05/14/1998		
	I	WO	98/54311	A1	The Scripps Research Institute	12/03/1998		
	J	WO	99/07736	A2	Genset	02/18/1999		
	K	WO	99/10492	A1	Zymogenetics, Inc.	03/04/1999		

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Sheet 2 of 10

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Application Number	10/072,159
Filing Date	February 5, 2002
First Named Inventor	Bernard BIHAIN, et al.
Group Art Unit	1656
Examiner Name	Unassigned
Attorney Docket Number	29.US4.DIV

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	L	Alexeev and Yoon, "STABLE AND INHERITABLE CHANGES IN GENOTYPE AND PHENOTYPE OF ALBINO MELANOCYTES INDUCED BY AN RNA-DNA OLIGONUCLEOTIDE"; Nature Biotech., 16:1343-1346, 1998	
	M	Arita, et al., "PARADOXICAL DECREASE OF AN ADIPOSE-SPECIFIC PROTEIN, ADIPONECTIN, IN OBESITY", Biochem. and Biophys. Research Comm. 257:79-83, 1999 (Academic Press)	
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	R	Saito, et al., "ORGANIZATION OF THE GENE FOR GELATIN-BINDING PROTEIN (GBP28)", GENE, 229:67-73, Jan. 12, 1999 (Elsevier Science B.V.)	
	S	Schaffler, et al., "THE HUMAN $\alpha$ M-1, AN ADIPOCYTE-SPECIFIC GENE LINKED TO THE FAMILY OF TNF'S AND TO GENES EXPRESSED IN ACTIVATED T CELLS, IS MAPPED TO CHROMOSOME 1q21.3-q23, A SUSCEPTIBILITY LOCUS IDENTIFIED FOR FAMILIA COMBINED HYPERLIPIDAEMIA (FCH)", Biochem. and Biophys. Res. Comm. 260:416-425, May 7, 1999 (Academic Press)	
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		Attorney Docket Number	29.US4.DIV
Sheet	3	of	10

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	W	Yen, et al., "MOLECULAR CLONING OF A LIPOLYSIS-STIMULATED REMNANT RECEPTOR EXPRESSED IN THE LIVER", J. Biol. Chem., Vol. 274, #19:13390-13398, 1999 (The American Society for Biochemistry and Molecular Biology, Inc.)	
	X	Barsh, G., et al., "GENETICS OF BODY-WEIGHT REGULATION", Nature, Vol. 404:644-651, April 6, 2000	
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	AE	Kopelman, P., "OBESITY AS A MEDICAL PROBLEM", Nature, Vol. 404:635-643, April 6, 2000 (Macmillan Magazines Ltd.)	
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 10

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	AH	Okamoto, Y., et al., "AN ADIPOCYTE-DERIVED PLASMA PROTEIN, ADIPONECTIN, ADHERES TO INJURED VASCULAR WALLS", Horm Metab Res 2000; 32:47-50 (Georg Thieme Verlag Stuttgart-New York)	
	AI	Ouchi, N., et al., "NOVEL MODULATOR FOR ENDOTHELIAL ADHESION MOLECULES / ADIPOCYTE-DERIVED PLASMA PROTEIN ADIPONECTIN", Circulation, Vol. 100:2473-2476, December 21/28, 1999 (American Heart Association)	
	AJ	Saito, K., et al., "REGULATION OF GELATIN-BINDING PROTEIN 28 (GBP28) GENE EXPRESSION BY C/EBP", Biol. Pharm. Bull. 22(11) 1158-1162 (1999)	
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	AP	Lamerdin, J.E. et al., "SEQUENCE ANALYSIS OF A 1 MB REGION OF HUMAN 19Q13.1", EMBL Sequence Database, 28 May 1997, XP002096568.	
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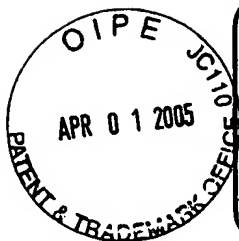
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	AR	Lamerdin, J.E., et al., "LIVER-SPECIFIC BHLF-ZIP TRANSCRIPTION FACTOR, LISCH7", EMBL Sequence Database, 1 July 1997, XP002096570.	
	AS	Lin, Q., et al., "LISCH7, A LIVER-SPECIFIC GENE IMMEDIATELY UPSTREAM OF THE USF2 GENE ON CHROMOSOME 7", EMBL Sequence Database, 20 May 1996, XP002096565.	
	AT	Lin, Q., et al., "LIVER-SPECIFIC PROTEIN LISCH7", EMBL Sequence Database, 1 November 1996, XP002096566.	
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	AV	Baldo, et al., "The Adipin-Acylation Stimulating Protein System and Regulation of Intracellular Triglyceride Synthesis," J. Clin. Invest., 92:1543-1547 (1993)	
	AW	Bartles, J.R., et al., "Biogenesis of the Rat Hepatocyte Plasma Membrane," Methods Enzymol., 191:825-841 (1990)	
	AX	Bihain, B.E., et al., "Characterization and purification of the lipolysis-stimulated receptor," Elsevier Science B.V., pp. 465-470 (1995)	
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	BC	Davis, C.G., et al.; "The J.D. Mutation in Familial Hyper-cholesterolemia: Amino Acid Substitution in Cytoplasmic Domain Impedes Internalization of LDL Receptors," Cell, 45:15-24, 1986	
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	BF	Feeman, Jr., W.E., "Hypertriglyceridemia and Atherosclerosis," Annals of Internal Medicine, Vol. 128, No. 1, pp. 73-74 (1998)	
	BG	Ghebrehiwet, et al., "Isolation, cDNA Cloning, and Overexpression of a 33-kD Cell Surface Glycoprotein that Binds to the Globular "Heads" of Clq"; J. Exp. Med., 179:1809-1821 (1994)	
	BH	Goldstein, J.L., et al., "Familial Hypercholesterolemia"; The Metabolic and Molecular Bases of Inherited Disease, Vol. 11, 7th Ed. (Scriver, C.R., et al., ed); McGraw-Hill, New York, pp. 1981-2030 (1995)	
	BI	Goldstein, et al.; "Hyperlipidemia in Coronary Heart Disease"; J. Clin. Invest., 52:1533-1543 (1973)	
	BJ	Gura, et al.; "Obesity Sheds its Secrets"; Science, 275:751-753; Feb. 7, 1997	
	BK	Hayward, et al.; "The cDNA Sequence of Human Endothelial Cell Multimerin"; J. Biol. Chem., 270:18246-18251 (1995)	
	BL	Henrion, et al.; "Structure, Sequence, and Chromosomal Location of the Gene for USF2 Transcription Factors in Mouse", Genomics, 25:36-43 (1995)	
	BM	Herz, J., et al.; "Surface location and high affinity for calcium of a 500-kd liver membrane protein closely related to the LDL-Receptor suggest a physiological role as lipoprotein receptor"; European Molecular Biology Laboratory, 7:4119-4127 (1988)	

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	BN	Honore, B., et al.; "Cloning and expression of a cDNA covering the complete coding region of the P32 submit of human pre-mRNA splicing factor SF2"; Gene, 134:283-287 (1993)	
	BO	Hu, et al.; "AdipoQ is a Novel Adipose-specific Gene Dysregulated in Obesity"; J. Biol. Chem., 271:10697-10703 (1996)	
	BP	Huettinger, M., et al.; "Characteristics of Chylomicron Remnant Uptake into Rat Liver"; Clin. Biochem., 21:87-92 (1988)	
	BQ	Huto, et al.; "AdipoQ is a Novel Adipose-specific Gene Dysregulated in Obesity"; Jr. of Biol. Chem., 271, 18:10697-10703 (1997)	
	BR	Karpe, F., et al.; "Clearance of lipoprotein remnant particles in adipose tissue and muscle in humans"; J. Lipid Res. 38:2335-2343 (1997)	
	BS	Karpe, F., et al.; "Magnitude of alimentary lipemia is related to intima-media thickness of the common carotid artery in middle-aged men"; Elsevier Science Ireland; 141:307-314 (1998)	
	BT	Khallou, et al.; "Correction of delayed postprandial plasma lipid response in genetically obese mice by injection of recombinant leptin"; Abstract from the 69th Scientific Sessions, New Orleans, LA; Supplemental to Circulation, American Heart Assoc., Vol. 94:8 (1996)	
	BU	Krainer, A.R., et al.; "Functional expression of cloned human splicing factor SF2: Homology to RNA-binding proteins, U1 70K, and drosophila splicing regulators"; Cell, 66:383-394 (1991)	
	BV	Lee, M.G-S, et al.; "Characterization of cDNA encoding a cysteine-rich cell surface protein located in the flagellar pocket of the protozoan Trypanosoma Brucei"; Molec. Cell. Biol., 10:4506-4517 (1990)	
	BW	Letourneur, F., et al.; "A novel Di-Leucine motif and a Tyrosine-based Motif independently mediate Lysosomal targeting and Endocytosis of CD3 chains"; Cell, 69:1143-1157 (1992)	
	BX	Lewis, G.F., et al.; "Postprandial lipoprotein metabolism in normal and obese subjects: comparison after the Vitamin A fat-loading test"; Jr. of Clinic. Endo.; 71:1041-1050 (1990)	

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		Application Number	10/072.159
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Filing Date	February 5, 2002
		First Named Inventor	Bernard BIHAIN, et al.
		Group Art Unit	1656
		Examiner Name	Unassigned
		Attorney Docket Number	29.US4.DIV
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	BY	Lin, et al.; "Archaic Structure of the Gene Encoding Transcription Factor USF"; Jr. of Bio. Chem., 269:23894-23903 (1994)	
	BZ	Liu, Q., et al.; "Design of polydactyl zinc-finger proteins for unique addressing within complex genomes"; Proc. Natl. Acad. Sci. USA; 94:5525-5530 (1997)	
	CA	Maeda, et al.; "cDNA Cloning and expression of a novel adipose specific collagen-like factor, apM1 (Adipose most abundant gene transcript 1)"; Biochem. and Biophys. Research Comm., 221:286-289 (1996)	
	CB	Mahley, R.W., et al.; "Type III hyperlipoproteinemia (Dysbetalipoproteinemia): The role of Apolipoprotein E in normal and abnormal lipoprotein metabolism"; The Molecular Basis of Inherited Disease, eds. Scriver, et al., McGraw Hill Inc., New York; pp. 1953-1980 (1995)	
	CD	Mann, C.J., et al.; "ApoCIII inhibits the binding of Triglyceride-rich lipoproteins to the lipolysis stimulated receptor"; Abstract (1996)	
	CE	Massie, et al.; "Inducible overexpression of a toxic protein by an Adenovirus vector with a Tetracycline-regulatable expression cassette"; Journal of Virology, 72:2289-2296 (1998)	
	CF	Montague, et al., "congenital leptin deficiency is associated with severe early-onset obesity in humans"; Nature, 387:903-908 (1997)	
	CG	Parra-Lopez, C.A., et al.; "Presentation on Class II MHC molecules of endogenous Lysozyme targeted to the Endocytic pathway"; J. Immunol.; 158:2670-2679 (1997)	
	CH	Pengue, G., et al.; "Repression of transcriptional activity at a distance by the evolutionarily conserved KRAB domain present in a subfamily of zinc finger proteins"; Nucleic Acids Research, Vol. 22, No. 15, 2908-2914 (1994)	
	CI	Rajput-Williams, J., et al.; "Variation of Apolipoprotein-B gene is associated with obesity, high blood cholesterol levels, and increased risk of coronary heart disease"; The Lancet, pp. 1442-1446 (1988)	
	CJ	Rutherford, S., et al.; "Association of a low density lipoprotein receptor micro-satellite variant with obesity"; Intl. Jr. of Obesity; 21:1032-1037 (1997)	

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	CK	Schaffler, et al.; "Identification and characterization of the human adipocyte apM-1 promoter"; Biochem and Biophys Res. Comm.; 1399:187-197 (1998)	
	CL	Scherer, et al.; "A novel serum protein similar to Clq, produced exclusively in Adipocytes"; J.Biol. Chem.; 270:26746-26749 (1995)	
	CM	Sellar, et al.; "Characterization and organization of the genes encoding the A-, B- and C-chains of human complement subcomponent Clq"; Biochemical Journal, 274:418-190 (1991)	
	CN	Shimabukuro, M., et al.; "Direct antidiabetic effect of leptin through triglyceride depletion of tissues"; Proc. Natl. Acad. Sci. USA; 94:4637-4641 (1997)	
	CO	Shimano, H., et al.; "Overproduction of cholesterol and fatty acids causes massive liver enlargement in transgenic mice expressing truncated SREBP-1a"; J. Clin. Invest.; 98:1575-1584 (1996)	
	CP	Shin, J., et al.; "Phosphorylation-dependent down-modulation of CD4 requires a specific structure within the cytoplasmic domain of CD4"; Jr. of Biol. Chem.; Vol. 266:10658-10665 (1991)	
	CQ	Simos, G., et al.; "The lamin B receptor-associated protein p34 shares sequence homology and antigenic determinants with the splicing factor 2-associated protein p32"; FEBS Letters 346:225-228 (1994)	
	CR	Steingrimsson, E., et al.; "Murine chromosomal location of five bHLH-Zip transcription factor genes"; Genomics, 28:179-183 (1995)	
	CS	Troussard, A.A., et al.; "Inhibitory effect on the lipolysis-stimulated receptor of the 39-kDa receptor-associated protein"; Jr. of Biol. Chem.; 270:17068-71 (1995)	
	CT	Urade, Y., et al.; "Precerebellin is a cerebellum-specific protein with similarity to the globular domain of complement Clq B chain"; Proc. Natl. Sci. USA; 88:1069-1073 (1991)	
	CU	Van den Berg, R.H., et al.; "Intracellular localization of the human receptor for the globular domains of Clq"; American Association of Immunologists; 158:3909-3916 (1997)	

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	CV	Verhey, K.J., et al.; "A Leu-Leu sequence is essential for COOH-terminal targeting signal of GLUT4 glucose transporter in fibroblasts"; J. Biol. Chem.; 269:2353-2356 (1994)	
	CW	Wang, et al.; "Upstream stimulatory factor binding to the E-box at -65 is required for insulin regulation of the fatty acid synthase promoter"; J. Biol. Chem.; 272:26367-26374 (1997)	
	CX	Yen, F.T., et al.; "Identification of a lipolysis-stimulated receptor that is distinct from the LDL receptor and the LDL receptor-related protein"; Biochemistry; 33:1172-1180 (1994)	
	CY	Zhang, M., et al.; "Tumor necrosis factor"; The Cytokine Handbook; Third Ed., pp. 517-548 (1998)	
	CZ	Zhong, G., et al.; Related leucine-based cytoplasmic targeting signals in invariant chain and major histocompatibility complex Class II molecules a control endocytic presentation of distinct determinants in a single protein"; J. Exp. Med.; 185:429-438 (1997)	
	DA	Mann, C.J., et al.; "ApoCIII inhibits the binding of Triglyceride-Rich Lipoproteins to the Lipolysis Stimulated Receptor"; Abstract (1996)	
	DB	Das, K., et al.; "Chromosomal localizations, expression pattern, and promoter analysis of the mouse gene encoding adipocyte-specific secretory protein ACRP30"; Biochemical and Biophysical Research Communications, 2001, 280:1120-1129; Academic Press [available online at <a href="http://www.idealibrary.com">http://www.idealibrary.com</a> ]	
	DC	Nakano, Y., et al.; "Isolation and Characterization of GBP28, a Novel Gelatin-Binding Protein Purified from Human Plasma"; J. Biochem., 1996, 120(4):803-812	
	DD	Woodward, F.P., et al.; "Characterization and purification of the lipolysis-stimulated receptor"; Atherosclerosis X; 1995, 465-70; Elsevier Science, Amsterdam NL; XP002067569	

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